



GENERAL SERVICES ADMINISTRATION

Federal Supply Service

Authorized Federal Supply Schedule Price List

Online access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage, a menu driven data base system. The INTERNET address of GSA Advantage is www.GSAAdvantage.gov.

Mission Oriented Business Integrated Services (MOBIS)

FSC : 6910 – 874-9 Off-the-Shelf and Customizable Print, Audio, and Visual Instructional Training Devices

Contract No : GS-02F-0234X

For more information on ordering from Federal Supply Schedules, click on the FSS Schedules button at : www.fss.gsa.gov.

Contract Period : 8/18/2011 thru 8/17/2016

SGB Enterprises, Inc

24844 Anza Drive, Unit A

Valencia, Ca 91355

Telephone : (661) 294-8306

Fax : (661) 294-8309

www.sgbent.com

Business Size : Small Woman Owned



Information for Ordering Agencies

1a. Table of Awarded Special Item Numbers (SIN's):	874-9 Off-the-Shelf and Customizable Print, Audio, and Visual Training Devices (see page 5 and 6)
1b. Lowest Priced Model Number and Lowest Price:	See Page 5 and 6
1c. Hourly Rates:	Not Applicable
2. Maximum Order:	\$1,000,000
3. Minimum Order:	No Applicable
4. Geographic Area (delivery area):	No limit other than that which is governed by FAR and US Department of State restrictions
5. Points of Production:	Valencia, Los Angeles County, California
6. Statement of Net Price:	All prices herein are net
7. Quantity Discounts:	The prices listed on the price list represent the following discounts: Qty 1 = 5% Qty 2 – 4 = 10% Qty 5 – 10 = 13% Qty 11 – 20 = 15% Qty 21 – Up = 20%
8. Prompt Payment Terms:	1 % 10, net 30 days
9a. Government Purchase Cards	Purchase Cards will be accepted for quantity buys of 5 or fewer CAPT's. There are no restrictions on component buys
9b. Government Purchase Cards	Purchase Cards will not be accepted for quantity buys of 6 or more CAPT's. There are no restrictions on component buys.
10. Foreign Items	None
11a. Time of Delivery	To be negotiated with Ordering Agency.
11b. Expedited Delivery	To be Negotiated with Ordering Agency.
11c. Overnight and 2 day Delivery	To be Negotiated with Ordering Agency.
11d. Urgent Requirements	To be Negotiated with Ordering Agency.
12. F.O.B Point	Destination



13a. Ordering Address

SGB Enterprises, Inc
24844 Anza Drive, Unit A
Valencia, Ca 91355

13b. Ordering Procedures

For Supplies and Services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3

14. Payment Address

Lock Box Information will be provided.

15. Warranty Provision

12 months from time of shipment

16. Export Packing Charges

Not Applicable

17. Terms and Conditions (Purchase Cards)

See 9a and 9b above.

18. Terms and Conditions (Rental, Maintenance and Repair)

Not Applicable

19. Terms and Conditions (Installation)

Not Applicable

20. Terms and Conditions (Repair Parts)

To be Negotiated with Ordering Agency.

20a. Terms and Conditions (Other Services)

Not Applicable

21. List of Service and Distribution Points

24844 Anza Drive, Unit A
Valencia, Ca 91355

22. List of Participating Dealers

Not Applicable

23. Preventative Maintenance

Not Applicable

24a. Special Attributes such as environmental attributes (e.g. Recycled content, energy efficiency, and/or reduced pollutants)

Not Applicable

24b. Section 508 Compliance Information

Not Applicable

25. Data Universal Number System (DUNS)

848506267

26. Notification regarding registration in CCR Database

SGB Enterprises, Inc is registered in the CCR database



About SGB Enterprises

SGB Enterprises, Inc. is a small woman owned business (DOD CCR Registered) located in Valencia, California. SGB was founded in 1994. SGB has provided engineering excellence and production expertise to a broad customer base for military and commercial sectors for over 16 years. SGB is widely recognized as the industry leader in custom simulation and training displays. In July 2006, SGB was acquired by an experienced management team with a vision to expand SGB's capabilities, strengthen our supply chain and provide more value to our customers. The new executive leadership team brings a strong background in large aerospace corporation experience to guide SGB through this growth period.

Based on a strong engineering foundation, SGB is a full service display simulation partner, providing a total solution – from design and manufacturing to complete repair services. SGB has 37 employees and occupies 12,000 square feet of space in a modern industrial park building in Valencia, California.

SGB is a turnkey simulation components supplier. Bezel design and grip manufacture is core to our simulation business. Due to supply chain performance and quality issues, we have been manufacturing our own bezels, control panels and grips since the beginning of 2008. SGB specializes in CRT, signal conversion, custom and resized LCD's, bezels, control panels, grips and annunciators for visual simulation and training platforms. SGB has also developed and delivered simulation solutions for NVG training.

All of the combined noted experience has led us to recognize an opportunity in the US Government training curriculum. We found that the pilots had no basic tactile training capabilities without the availability of a multi-million dollar simulator and/or an even more expensive aircraft. Our solution is a lower cost Cockpit Avionics Procedural Trainer (CAPT). Our UH-60M CAPT-584 and CH-47F CAPT-613 is modular in nature and are designed to attach to any desk top and allows for height and display angle adjustment to suit individual needs.



STRATEGIC DISPLAY PARTNERS

Government Pricing

SIN	Model No.	Description	UOI	Price
874-9	CAPT-584-L	UH-60M COCKPIT ACADEMIC PROCEDURAL TRAINER (PILOT)	Each	Qty 1 = \$80,802 Qty 2-4 = \$76,549 Qty 5-10 = \$73,998 Qty 11-20 = \$72,297 Qty 21-up = \$68,044
874-9	CAPT-584-R	UH-60M COCKPIT ACADEMIC PROCEDURAL TRAINER (CO-PILOT)	Each	Qty 1 = \$80,802 Qty 2-4 = \$76,549 Qty 5-10 = \$73,998 Qty 11-20 = \$72,297 Qty 21-up = \$68,044
874-9	CAPT-613-L	CH-47F COCKPIT ACADEMIC PROCEDURAL TRAINER (PILOT)	Each	Qty 1 = \$56,657 Qty 2-4 = \$53,675 Qty 5-10 = \$51,886 Qty 11-20 = \$50,693 Qty 21-up = \$47,711
874-9	CAPT-613-R	CH-47F COCKPIT ACADEMIC PROCEDURAL TRAINER (CO-PILOT)	Each	Qty 1 = \$56,657 Qty 2-4 = \$53,675 Qty 5-10 = \$51,886 Qty 11-20 = \$50,693 Qty 21-up = \$47,711
874-9	LCR10-444-2	CH-47F MULTI-FUNCTION DISPLAY (Spare display used on CAPT-613)	Each	Qty 1 = \$15,195 Qty 2-4 = \$14,395 Qty 5-10 = \$13,916 Qty 11-20 = \$13,596 Qty 21-up = \$12,796
874-9	LCR10-489-2	UH-60M MULTI-FUNCTION DISPLAY (Spare display used on CAPT-584)	Each	Qty 1 = \$16,183 Qty 2-4 = \$15,331 Qty 5-10 = \$14,820 Qty 11-20 = \$14,480 Qty 21-up = \$13,628
874-9	LCR4-601	BACKUP RADIO CONTROL HEAD – ARC-231	Each	Qty 1 = \$9,268 Qty 2-4 = \$8,780 Qty 5-10 = \$8,488 Qty 11-20 = \$8,293 Qty 21-up = \$7,805
874-9	LCR5-460-6	CH-47F CONTROL DISPLAY UNIT – CDU-7000 (Spare display used on CAPT-613)	Each	Qty 1 = \$19,606 Qty 2-4 = \$18,574 Qty 5-10 = \$17,955 Qty 11-20 = \$17,542 Qty 21-up = \$16,510
874-9	LCR5-583-1	UH-60M FLIGHT MANAGEMENT SYSTEM – FMS (Spare display used on CAPT-584)	Each	Qty 1 = \$18,063 Qty 2-4 = \$17,113 Qty 5-10 = \$16,542 Qty 11-20 = \$16,162 Qty 21-up = \$15,211



STRATEGIC DISPLAY PARTNERS

SIN	Model No.	Description	UOI	Price
874-9	PNL-FDDCP-179	UH-60M FLIGHT DIRECTOR DISPLAY CONTROL PANEL – FDDCP (Spare display used on CAPT-584)	Each	Qty 1 = \$19,760 Qty 2-4 = \$18,720 Qty 5-10 = \$18,096 Qty 11-20 = \$17,680 Qty 21-up = \$16,640
874-9	PNL-ICS-116	ICS PANEL	Each	Qty 1 = \$8,398 Qty 2-4 = \$7,956 Qty 5-10 = \$7,691 Qty 11-20 = \$7,514 Qty 21-up = \$7,072
874-9	PNL-MFCU-236	CH-47F MULTI-FUNCTION CONTROL UNIT – MFCU	Each	Qty 1 = \$12,160 Qty 2-4 = \$11,520 Qty 5-10 = \$11,136 Qty 11-20 = \$10,880 Qty 21-up = \$10,240
874-9	PNL-MFSC-178-L	UH-60M MULTI-FUNCTION SLEW CONTROLLER – MFSC (Spare display used on CAPT-584-L)	Each	Qty 1 = \$5,730 Qty 2-4 = \$5,429 Qty 5-10 = \$5,248 Qty 11-20 = \$5,127 Qty 21-up = \$4,826
874-9	PNL-MFSC-178-R	UH-60M MULTI-FUNCTION SLEW CONTROLLER – MFSC (Spare display used on CAPT-584-R)	Each	Qty 1 = \$5,730 Qty 2-4 = \$5,429 Qty 5-10 = \$5,248 Qty 11-20 = \$5,127 Qty 21-up = \$4,826
874-9	PNL-PCMCIA-200	PCMCIA CARD READER (MISSION)	Each	Qty 1 = \$2,185 Qty 2-4 = \$2,070 Qty 5-10 = \$2,001 Qty 11-20 = \$1,955 Qty 21-up = \$1,840
874-9	PNL-PCMCIA-201	PCMCIA CARD READER (MAP)	Each	Qty 1 = \$2,185 Qty 2-4 = \$2,070 Qty 5-10 = \$2,001 Qty 11-20 = \$1,955 Qty 21-up = \$1,840
874-9	PNL-PCMCIA-224	PCMCIA CARD READER (MISSION/MAP)	Each	Qty 1 = \$4,370 Qty 2-4 = \$4,140 Qty 5-10 = \$4,002 Qty 11-20 = \$3,910 Qty 21-up = \$3,680
874-9	PNL-MFK-220	CH-47F MULTI-FUNCTION KNOW – MFK (Spare display used on CAPT-613)	Each	Qty 1 = \$1,501 Qty 2-4 = \$1,422 Qty 5-10 = \$1,375 Qty 11-20 = \$1,343 Qty 21-up = \$1,264
874-9	PNL-BRCH-229	BACKUP RADIO CONTROL HEAD – ARC-231 (W/FILL PANEL)	Each	Qty 1 = \$10,830 Qty 2-4 = \$10,260 Qty 5-10 = \$9,918 Qty 11-20 = \$9,690 Qty 21-up = \$9,120



Cockpit Academics Procedural Trainers

All displays and controls feature a USB 2.0 interface and VGA video interface via our distribution panel.

UH-60M Cockpit Academic Procedural Trainer (SGB model CAPT-584):

The displays that make up our CAPT are exact replicas of the following OEM products.

- Rockwell Collins MFD 268 for the MFDS (SGB Model LCR10-489-2)
- CMC FMS (SGB Model LCR6-583-1)
- Korry Electronics FDDCP (SGB Model PNL-FDDCP-179)
- Mason/Esterline Multifunction Slew Control (SGB Model PNL-MFSC-178)

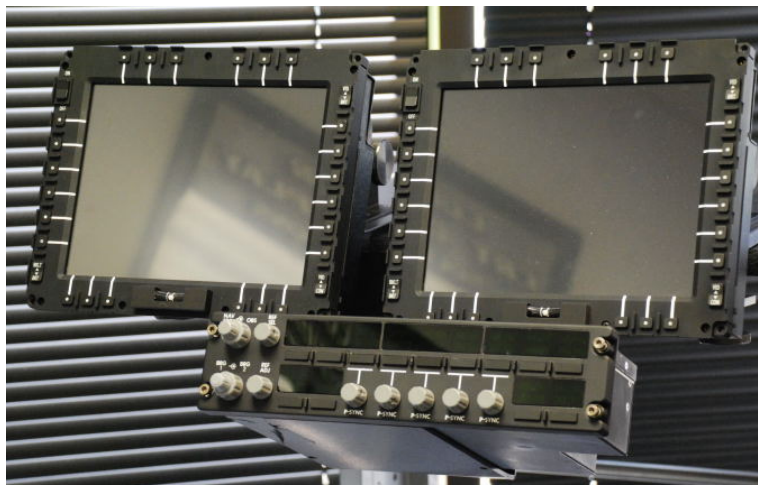
Our CAPT-584 station is modular in nature, is designed to attach to any desk top and allows for height and display angle adjustment to suit individual needs. The height adjustable center console uses Dzus rails to allow for custom set up and expandability to suit other training needs. Our CAPT is also available in pilot and co-pilot configurations - we will supply a left or right MFSC depending on pilot or co-pilot configuration. The MFDs and center console clamp, via spring loaded clamp, directly to the T-bar assembly. Our CAPT has the following features:

- Fully deployable via a custom 'foam in' Pelican 1780 wheeled transport case. All components, including the laptop fit in the case. The case with all components weighs 78 lbs.
- Color coded cables and ports to allow for ease of set up
- Tools are not required - our CAPT can be set up in 15 minutes.





- Replica MFD-268's complete with slip ball. Our MFDs are built to Rockwell Collins specifications and have been evaluated and approved by Rockwell and Army SMEs for both look and feel as to avoid any negative habit transfer.
 - We will use a 6X8 NEC LCD NL10276BC20-08 - This XGA LCD will yield an active viewing area measuring 8.2 x 6.2 with 768 by 1024 pixel resolution; full color display.
 - Viewing angles that approached 85° in all directions
 - A contrast ratio of 20:1 (measured at 80°).
 - Westar VP7 Video Processor
 - CFL backlight with a brightness of > 50 ft lamberts.
- Replica FDDCP. Our FDDCP is built to Korry Electronics specifications as an aircraft survey was done to collect critical information on the look, feel and performance of the OEM unit. Our FDDCP has been evaluated and approved by SAIC and Army SMEs for both look and feel as to avoid any negative habit transfer.
 - 9 OEM knobs and dual function concentric encoders are used to guarantee exact feel
 - Custom 'dead front' illuminated (green and amber) buttons for mode select
 - 13 LED dot matrix displays individual displays
 - Custom designed driver/interface board for the buttons, encoders and displays that allows for real time control.



- Exact Replica FMS and MFSC: Our FMS and MFSC are built to CMC and Mason specifications. Both of these products we reproduced using a high definition 3D scanner to collect the dimensions on the actual OEM. Our FMS and MFSC have been evaluated and approved by SAIC and Army SMEs for both look and feel as to avoid any negative habit transfer.
 - For the FMS we will use a 7" NEC LCD NL8048BC19-02 - This VGA LCD will yield an active viewing area measuring 6 x 4 with 800 by 480 pixel resolution; full color display.



- Viewing angles that approached 85° in all directions
- A contrast ratio of 20:1 (measured at 80°).
- Westar VP7 Video Processor
- CFL backlight with a brightness of > 50 ft lamberts.
- The MFSC uses OEM switches and thumb



- Adjustable Consoles (MFD and FDDCP)- multiple height and angles



- Height Adjustable Center Console with Dzus rails. The rails are standard width and can allow for custom placement and additional components.





- T-Bar and locking clamp assembly that allows the CAPT to clamp to any table or desk. Additionally the rail width is ample to allow for side to side adjustment and additional MFDS or consoles to be attached.



CH-47F Cockpit Academic Procedural Trainer (SGB Model CAPT-613):

SGBs Cockpit Academics Procedural Trainer for the CH-47F aircraft is designed to support/enhance classroom avionics or maintenance curricula. Our CAPT's replicate either pilot or co-pilot configurations where familiarization and muscle memory is desired.

The CAPT is a complete system solution that is fully deployable. Our CAPT-613 is modular in nature, is designed to attach to any desktop and allows for height and display angle adjustment to suit individual needs. The height adjustable center console uses Dzus rails to allow for custom set up and expandability to suit other training needs. The MFDs and center console clamp, via spring loaded clamp, directly to the T-bar assembly.

The CAPT distribution system is USB based with 8 USB inputs, 4 DVI outputs for video and system power all contained within one box. The distribution system also includes a built in computer to handle and display and component needs.



Distribution System



Our CAPT has the following features:

- Fully deployable via a custom 'foam in' Pelican 1780 wheeled transport case. The Pelican 1780 is designed for extreme environments and meets the following specifications: IP66 for dust and sand, watertight, -10 to 210 F, Mil Spec -4150J, Airline Safe ATA 300 and is lockable. All components, including the distribution system fit in the case. The case with all components weighs 78 lbs.
- Numbered cables and ports to allow for ease of set up
- Tools are not required - our CAPT can be set up in 15 minutes.



Deployable Foam in Case

- Replica CAAS MFD-268' - Our MFDs are built to Rockwell Collins specifications and have been evaluated and approved by Rockwell and Army SMEs for both look and feel as to avoid any negative habit transfer.
 - We will use an 6X8 NEC LCD NL10276BC20-08 - This XGA LCD will yield an active viewing area measuring 8.2 x 6.2 with 768 by 1024 pixel resolution; full color display.
 - Viewing angles that approached 85° in all directions
 - A contrast ratio of 20:1 (measured at 80°).
 - Westar VP7 Video Processor
 - CFL backlight with a brightness of > 50 ft lamberts.



CAAS MFDs

- Exact Replica CDU 7000. Our CDU are built to Rockwell specifications. This product was reproduced using a high definition 3D scanner to collect the dimensions on the actual OEM. Our CDU has been evaluated and approved by SAIC and Army SMEs for both look and feel as to avoid any negative habit transfer.
 - For the CDU 7000 we will use a 7" NEC LCD NL8048BC19-02 - This VGA LCD will yield an active viewing area measuring 4 x 3 with 800 by 480 pixel resolution; full color display.
 - Viewing angles that approached 85° in all directions
 - A contrast ratio of 20:1 (measured at 80°).
 - Westar VP7 Video Processor
 - CFL backlight with a brightness of > 50 ft lamberts.



CDU 7000 & MFK Panel mounted in center console

- Multi-Function Knob Panel
- Adjustable Display Consoles - multiple height and angles



- Height Adjustable Center Console with Dzus rails. The rails are standard width and can allow for custom placement and additional components.



- T-Bar and locking clamp assembly that allows the CAPT to clamp to any table or desk. Additionally the rail width is ample to allow for side-to-side adjustment and additional MFDS or consoles to be attached.



Cable and Cable Management: Our cable management solution is simple and provides for a clean presentation. Each video, power and USB cable is a specific length and coded to be plugged into specific positions on our Video and USB distribution panel. Also, most of the cables are routed under the T-Bar assembly and are out of sight.

Each CAPT-613 (L&R) includes the following items:

- Qty 2 – Multi- Function Display w/USB- SGB Model LCR10-444-2 (display includes adjustment consoles)
- Qty 1 – T- Bar Desk Clamp Assembly (5982-0000)
- Qty 1- CDU 7000 w/ USB - SGB Model LCR6-460-6
- Qty 1- Center Console - SGB Part Number 5983-0000 (includes blank plates)
- Qty 1- 1780 Pelican Case with custom foam – SGB Model 7281-4010
- Qty 1- Video/USB 2.0 distribution panel – with multiple video and USB outputs – SGB Model 7225-4000

Please note that power, video and USB cables are included with the CAPT.

Technical Approach for AN/ARC 231 Back Up Radio Control Head (SGB Model LCR4-601)

SGBs simulated AN/ARC-231 Back Up Radio Control (SGB Model LCR4-601) is a replica of the Raytheon's AN/ARC-231 Airborne VHF/UHF/LOS and DAMA SATCOM Communications System. SGB's LCR4-601 is designed to support/enhance classroom avionics or maintenance curricula. Our display can be used as a stand-alone product or integrated into SGBs Cockpit Avionics Procedural Trainer (CAPT) for the UH-60M and CH-47.



SGBs LCR4-601 Integrated into a CAPT

The LCR4-601 has the following features:

- USB 2.0 Interface to standard PC or laptop computer for the display
- Real flyable knobs and switches to ensure the correct look and feel
- LED based, four character alphanumeric displays (5x7 LED Matrix)
- Sunlight viewable display
- Usable in night vision applications with an NVIS filter
- View angles of +/- 50 °
- PCMCIA Card reader via USB 2.0
- Power requirements of 110 VAC
- Weight: 2lbs
- Depth: 6" (knob to back panel) Width: 6" (front panel) Height: 3.25"



SGBs AN/ARC 231 Simulated Display LCR4-601

Platforms

Our LCR4-601 is currently used on a wide variety of simulation platforms. Rotary wing platforms include MH-60L/M and UH-60L/M Black Hawks, MH-47E/G and CH-47G Chinooks, UH-1N Hueys, A2C2S Black Hawks, AH-64 Apaches and ARH-70 Armed Reconnaissance Helicopters (ARH). Fixed wing platforms include Airborne Reconnaissance Low-Altitude Multi-Mission –ARLM, USAF Rivet Joint, and USAF Joint-STARS.